

SPECIFICATIONS

SHIELDING REQUIREMENTS:

ENTRY PANEL 3/4" THK LEAD  
BACK PANEL 2" THK LEAD TOTAL  
SIDE WALLS 3/4" THK LEAD  
ROOF 1/2" THK LEAD

CONSTRUCTION: MODULAR

STRUCTURE: SELF-SUPPORTED

COMMERCIAL RATED: 40 LBS LIVE WEIGHT/SQ FT  
100 LBS DEAD WEIGHT/SQ FT

OVERALL DIMS:

3.0M WIDTH X 6.0M LONG X 3.9M HIGH [10' X 19.7' X 13']  
CLEAR HEIGHT INSIDE: 3.5M [11.5']  
DOOR OPENING: 2.4M HIGH X 1.6M WIDE [8' X 5.3']

SLIDING DOORS:

ONE MANUAL, FIXED BY LATCH  
ONE PNEUMATIC WITH MANUAL OVERRIDE

STANDARD ENTRY PANEL: 1.0M WIDE X 3.9M HIGH [3.3'X13']  
STANDARD SIDE PANEL: 1.0M WIDE X 3.9M HIGH [3.3'X13']

SANDWICH CONSTRUCTION:

STEEL 3mm [1/8"] (11Ga) - LEAD 20mm [3/4"] - STEEL 6mm[1/4"]  
STRUCTURE: 3 1/2" X 3 1/2" X 1/4" STEEL ANGLE, ALL AROUND  
WEIGHT: 3000 LB

STANDARD BACK PANEL: 1.0M WIDE X 3.9M HIGH [3.3'X13']

SANDWICH CONSTRUCTION:

STEEL 3mm [1/8"] (11Ga) - LEAD 25mm [1"] - STEEL 6mm[1/4"]  
STRUCTURE: 3 1/2" X 3 1/2" X 1/4" STEEL ANGLE, ALL AROUND  
WEIGHT: 3700 LB

STANDARD ROOF PANEL: 1.0M WIDE X 3.0M LONG [3.3'X10']

SANDWICH CONSTRUCTION:

STEEL 3mm [1/8"] (11Ga) - LEAD 13mm [1/2"] - STEEL 6mm[1/4"]  
STRUCTURE: MC 6 X 16.3 STEEL CHANNEL, ALL AROUND  
WEIGHT: 2081 LB

STANDARD DOOR PANEL: 1.0M WIDE X 2.5M HIGH [3.3'X8']

SANDWICH CONSTRUCTION:

STEEL 3mm [1/8"] (11Ga) - LEAD 20mm [3/4"] - STEEL 6mm[1/4"]  
WEIGHT: 1790 LB

LABYRINTH PANELS: UTILITIES, CABLES, VENTILATION, OZONE

UTILITIES: CHILLED WATER 5°-0.8°C [41°-1.5°F]

DI WATER

COMPRESSED AIR 90psi

ELECTRICAL POWER 2X 30kVA 120/208V

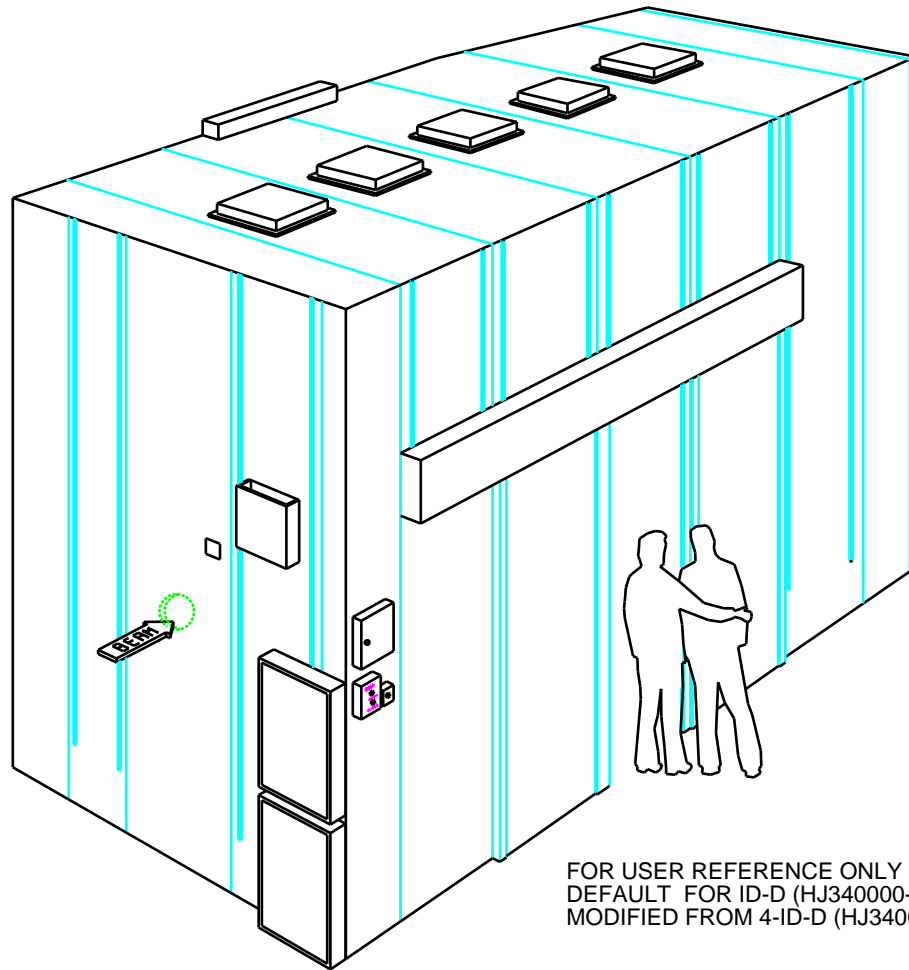
WORK STATION CRANE WITH MANUAL HOIST:

SPAN 1.7M [5.6']  
RUNWAY LENGTH 5.7M [19']  
CLEAR HEIGHT 3.5M [11.5']

CAPACITY: 1000Kg [1 TON]

ILLUMINATION: FLUORESCENT-

OFFICE RATED: 100 FOOT CANDLE.



FOR USER REFERENCE ONLY  
DEFAULT FOR ID-D (HJ340000-90-00)  
MODIFIED FROM 4-ID-D (HJ340000-00-00)

NOTES:

1- THE HUTCH MANUFACTURER SHALL BE RESPONSIBLE FOR THE STRUCTURAL INTEGRITY OF THE HUTCH, AND SHALL CERTIFY THAT THE STRUCTURE WAS REVIEWED BY A LICENSED STRUCTURAL ENGINEER.

STRUCTURES AND THEIR ELEMENTS SHALL BE BUILT FOLLOWING DOE 6430 AS REFERRED TO IN TECHNICAL SPECS. DESIGN LOADS SHALL INCLUDE LOADS THAT CAN OCCUR DURING CONSTRUCTION. DEAD LOADS SHALL INCLUDE THE USE OF THE INTERIOR UNISTRUT FOR SHELVES ONE FOOT WIDE SUPPORTING LOADS OF 200 LBS.

2- LEAD THICKNESS IS SPECIFIED BY ARGONNE. THE MANUFACTURER SHALL BE RESPONSIBLE FOR PROVIDING A RADIATION LEAK PROOF HUTCH.

LEAD LINED PANELS SHALL BE CONSTRUCTED FROM SINGLE UNPIERCED SHEET, FREE OF OXIDE INCLUSIONS, FISSURES, VOIDS AND ALL OTHER DETRIMENTAL DEFECTS. MATERIAL SHALL BE LEAD GRADE 'C' TO COMPLY WITH FEDERAL SPECIFICATION QQ-L-201. HUTCH SHALL MEET ALL APPLICABLE RADIATION GUIDE LINES REFERRED TO IN TECHNICAL SPECS.

ITEM	QUANTITY	UNITS	DESCRIPTION	MATERIAL & SPEC	REV
PARTS LIST					
HJ340000-90-02					
ARGONNE NATIONAL LABORATORY					
ADVANCED PHOTON SOURCE					
HJ SRICAT WBES 4-ID-D					
WHITE/MONO BEAM					
EXPERIMENTAL STATION					
ASSEMBLY					
(PERSPECTIVE & SPECIFICATIONS)					
REV (1:20) SHEET 241					
HJ-340000-90-02					